

ABSTRACT OF THE DISCLOSURE

A timing and carrier error detector module (127) of a communication receiver (111). The timing and carrier error detector module uses phase information of a correlated signal (e.g. a Barker de-spread signal) to generate a timing signal and carrier error signal. In one example, the phase information includes a phase error signal of the correlated signal. In one example, the timing and carrier error detector module calculates an indication of the variance of the phase error signal for a plurality of sample positions over a plurality of Barker symbol intervals. The timing signal is based upon the sample position having a minimum indication of a variance.